Amendments to the Specification

Please replace the paragraph starting at page 6, line 15, with the following amended paragraph.

According to the invention, the gate oxide layer [14] 16 is irradiated with a silicon-containing species under low partial pressure, high vacuum conditions to deposit (nucleate) a thin layer 18 of silicon onto the surface [16] of the gate oxide layer [14] 16. as shown in FIG. 2. The silicon layer can comprise polysilicon or amorphous silicon. The processing conditions results in a silicon layer 18 that is thinner than can be achieved under standard silicon growth conditions, i.e., a temperature greater than 600°C, and a pressure greater than 100 mTorr, with SiH2, Si2H3, or dichlorosilane (DCS, SiH2Cl2). Preferably, the silicon layer 18 is less than about 30 angstroms, preferably about 10 to about 20 angstroms thick. Exemplary silicon source materials include SiH2Cl2, silicon tetrachloride (SiCl4), and a silicon that contains a hydride such as silane (SiH4), and disilane (Si2H6). The silicon material can be deposited as a layer utilizing any known deposition process including plasma enhanced chemical vapor deposition (PECVD), low pressure chemical vapor deposition (LPCVD), and rapid thermal chemical vapor deposition (RTCVD).